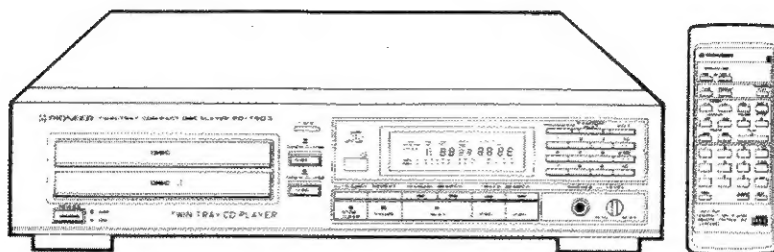**Operating Instructions**

TWIN-TRAY COMPACT DISC PLAYER
PD-T503

COMPACT
disc
DIGITAL AUDIO

Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your unit properly. After you have finished reading the instructions, keep the manual in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the drawings. However, the method of connecting and operating the unit is the same.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT NOTICE
[For U.S. and Canadian models]
The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

[For Canadian model]
CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

"This product is manufactured to comply with the radio interference requirements of EEC Directive 76/889/EEC and 82/499/EEC."

LINE VOLTAGE SELECTOR SWITCH
Only multi-voltage models are provided with this switch. U.S., Canadian, European, U.K., and Australian models are not provided with this switch.
Mains voltages in Saudi Arabia are 127V and 220V only. Never use this model with 110V setting in Saudi Arabia.

The line voltage selector switch is located on the rear panel of this player. Before your player is shipped from the factory, the switch is set to the power requirements of the player's destination. Check that it is set properly before plugging the power cord into the outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows:

* Use a medium-sized (flat-blade) screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it so that the power voltage marking of your area points to the arrow.

VOLTAGE SELECTOR

IMPORTANT 1

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT 2

If the apparatus is fitted with AC mains power outlet(s), see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last, make sure that the power switch is off.

FOR USE IN THE UNITED KINGDOM

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
Equipment sold in the U.K. is not supplied with a power plug.

SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS — The operating instructions should be retained for future reference.

HEED WARNING — All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.

WATER AND MOISTURE — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION — The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING — The appliance should not be mounted to a wall or ceiling.

VENTILATION — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION — Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION — If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING — The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES — An outdoor antenna should be located away from power lines.

NONUSE PERIODS — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE — The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:
- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped; or the enclosure damaged.

SERVICING — The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

OUTDOOR ANTENNA GROUNDING — If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

CART — An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
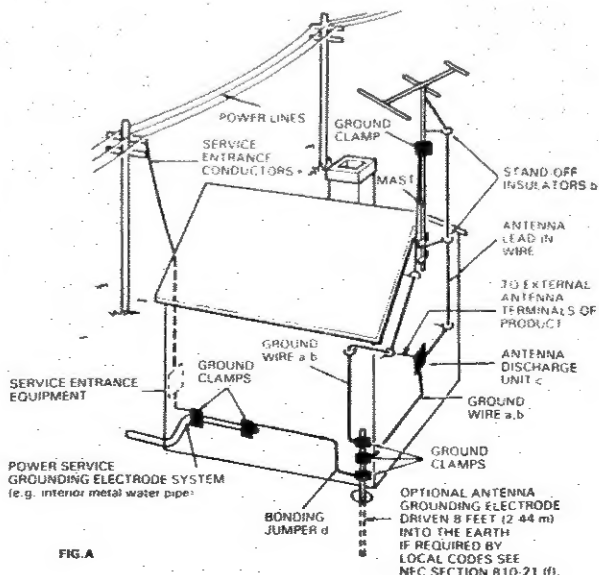
a) Use No. 10 AWG (5.3 mm²) copper, No. 8 AWG (8.4 mm²) aluminum, No. 17 AWG (1.0 mm²) copper-clad steel, bronze wire, or larger as ground wire.

b) Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.

c) Mount antenna discharge unit as closely as possible to where lead-in enters house.

d) Use jumper wire not smaller than No. 6 AWG (13.3 mm²) copper, or the equivalent, when a separate antenna-grounding electrode is used.
See NEC Section 810-21 (j).

POWER LINES
SERVICE ENTRANCE CONDUCTORS
GROUND CLAMP
MAST
STAND-OFF INSULATORS b
ANTENNA LEAD-IN WIRE
TO EXTERNAL ANTENNA TERMINALS OF PRODUCT
ANTENNA DISCHARGE UNIT c
GROUND WIRE a,b
SERVICE ENTRANCE EQUIPMENT
GROUND WIRE a,b
GROUND CLAMPS
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (e.g. interior metal water pipe)
BONDING JUMPER d
OPTIONAL ANTENNA GROUNDING ELECTRODE DRIVEN 8 FEET (2.44 m) INTO THE EARTH IF REQUIRED BY LOCAL CODES SEE NEC SECTION 810-21 (f).

FIG. A

CONTENTS

[FOR EUROPEAN AND U.K. MODELS]

CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.

Refer all servicing to qualified personnel.

The following caution label appear on your player

Location: rear of the player

CLASS 1 LASER PRODUCT

VRW-328

[FOR U.S. MODEL]
CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

INFORMATION TO USER [FOR U.S. MODEL]

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class II computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient the receiving antenna
- relocate this equipment with respect to the receiver
- move this equipment away from the receiver
- plug this equipment into a different outlet so that equipment and receiver are on different branch circuits

If necessary, the user should consult the dealer or an experienced radio television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:
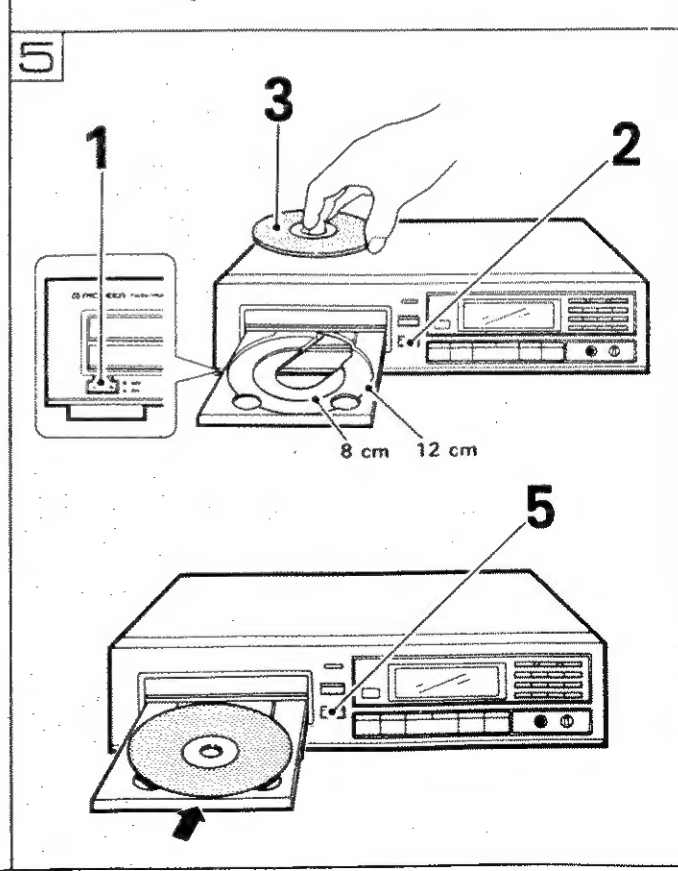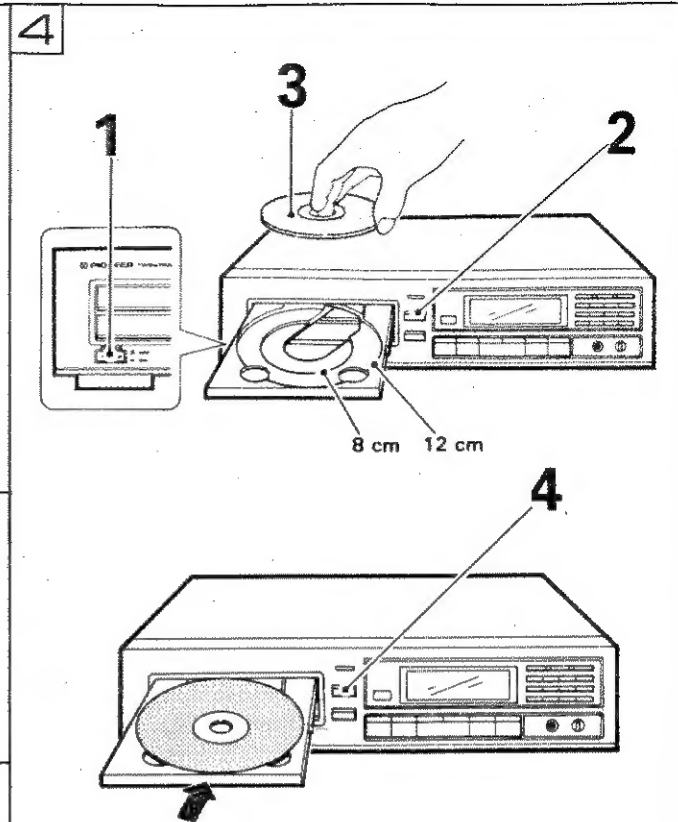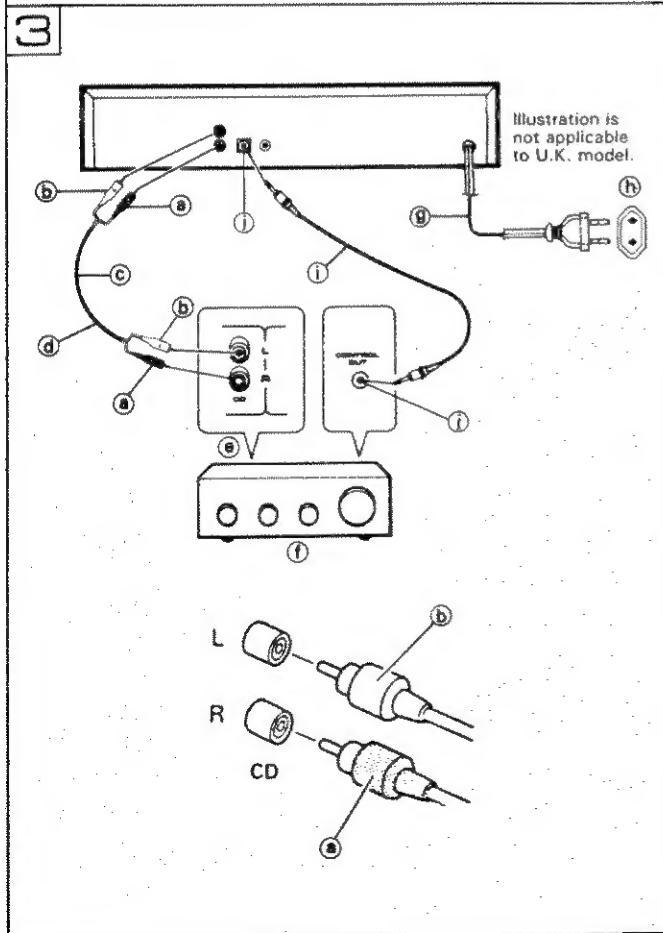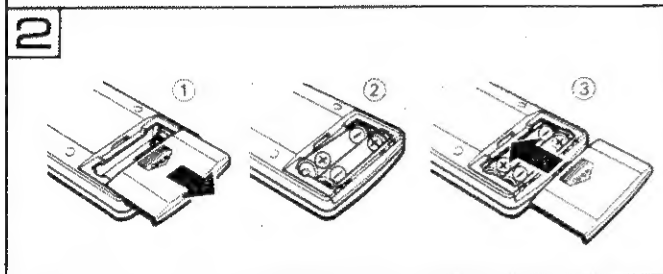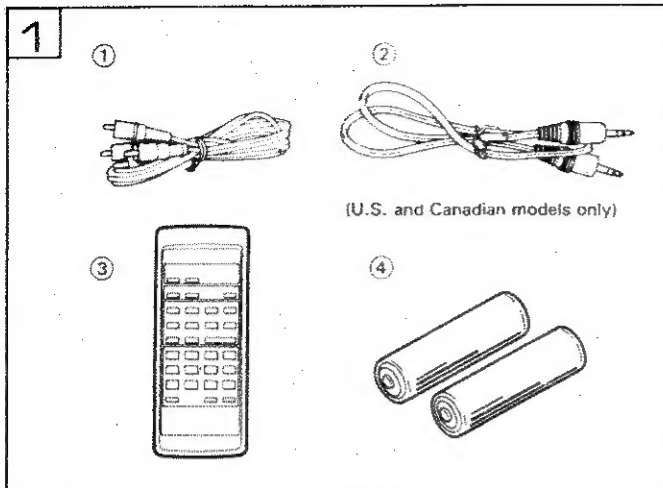
How to Identify and Resolve Radio-TV Interference Problems

This booklet is available from the US Government Printing Office, Washington, D.C., 20402. Stock No 004-000-00345-4
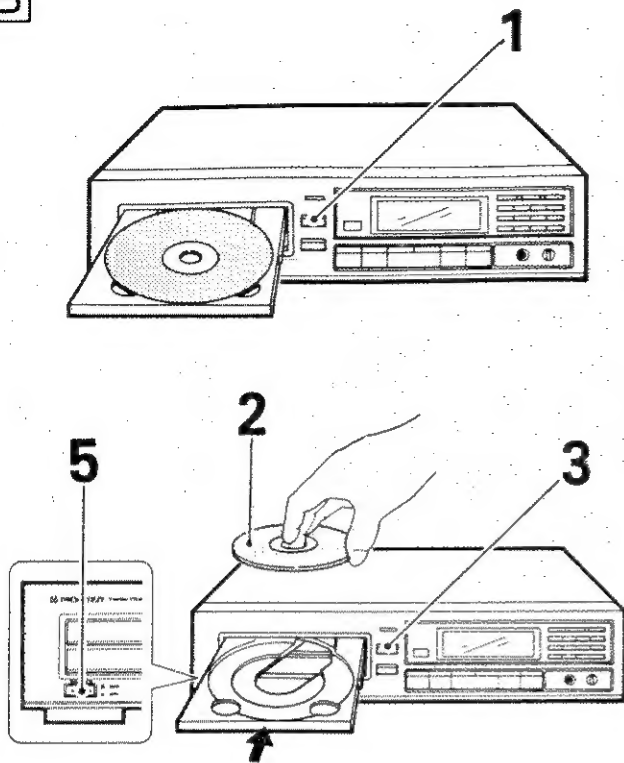
The above instructions apply only to units which will be operated in the United States.
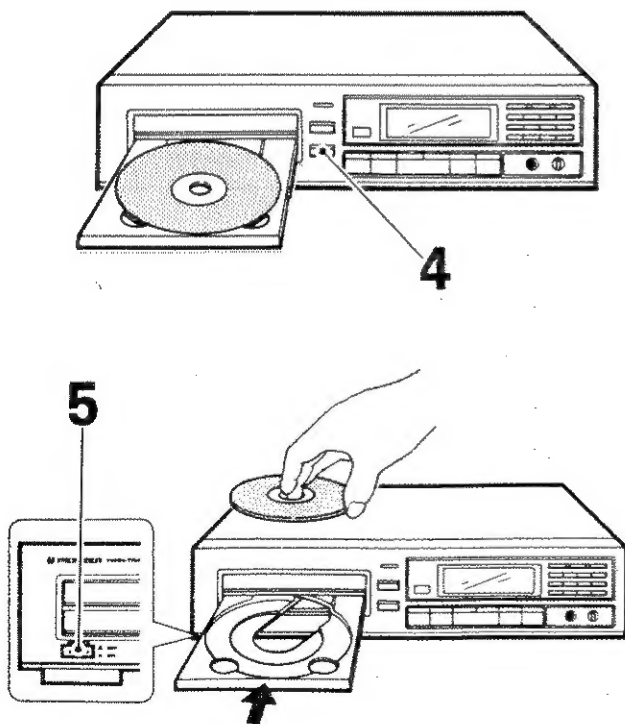
[For Canadian model]

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

1

① ②

(U.S. and Canadian models only)

③ ④

2

① ② ③

3

Illustration is
not applicable
to U.K. model.

ⓑ ⓐ ⓙ ⓗ

ⓒ ⓖ ⓘ

ⓓ ⓑ

ⓐ L
R
CD

ⓕ ⓘ

ⓔ

L ⓑ

R

CD ⓐ

4

1 **3** **2**

8 cm 12 cm

4

5

1 **3** **2**

8 cm 12 cm

5

FEATURES

Multitude of functions with two discs

■ **Continuous playback**

While playing a disc, the other disc can be inserted or ejected. Therefore, continuous playback is possible.

■ **Playback of tracks from two discs**

Tracks from both discs can be programmed for playback. Also, during random playback, tracks are played at random from both discs.

Has convenient function ideal for tape dubbing, etc.

■ **24-Step Random Programming**

You can program the player to play a selection of tracks in any desired order.

■ **Pause Programming**

You can put pauses (temporary stopping of playing) into your programs, which is convenient for electronic accompaniment (karaoke) and tape editing.

■ **Auto Program Editing**

After specifying the desired time period, tracks will be automatically programmed to playback in order from specified track within the specified time period.

High fidelity playback with high-performance pickup.

Direct track selection

The desired tracks can be played by pressing their corresponding track number keys.

Other features

■ **Repeat playing of all tracks or programmed tracks.**

■ **Random Playback**

Tracks from the inserted disc are played at random.

■ **Compatible with 8cm CD**

8cm CD can also be played.

■ **Highly durable honeycomb-structure chassis for reduced resonance.**

■ **High-performance 4fs digital filter and twin D/A converter system.**

■ **Multi-functional fluorescent display can be used to display the track number, elapsed time, the number of tracks on the disc, the total playback time of the disc, the total playback time of the program and the remaining time of the disc.**

■ **Timer Start**

If a disc is set on the disc tray beforehand, and, when the power is turned ON or when activated by a TIMER, the player will automatically start playing from track 1.

CAUTIONS REGARDING HANDLING

LOCATION

Install the player in a well ventilated location where it will not be exposed to high temperature or humidity.

Do not install the player in a location which is exposed to direct rays of the sun, or near to hot appliances or radiators. Excessive heat can adversely affect the cabinet and internal components. Installation of the player in a damp or dusty environment may result in malfunction or accident. (Also avoid installation near cookers etc., where the player may be exposed to smoke from oil, steam or heat.)
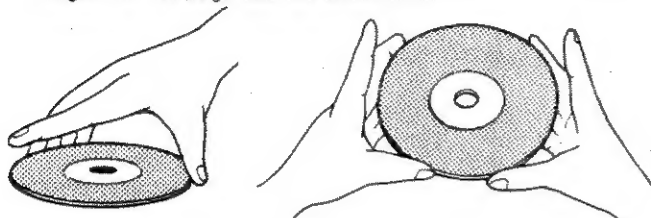

PRECAUTIONS REGARDING INSTALLATION

■ Placing and using the compact disc player for long periods on heat-generating sources such as amplifiers will affect performance. Avoid placing the player on heat-generating sources.
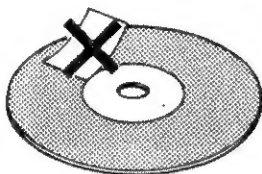
■ Install this compact disc player as far as possible from tuners and TV sets. A compact disc player installed in close proximity to such equipment may cause noise or degradation of the picture. Such noise may be particularly noticeable when an indoor antenna is used. In such a case, make use of an outdoor antenna, or turn off power to the compact disc player.

CONDENSATION

When the player is brought into a warm room from previously cold conditions or when the room temperature is suddenly increased, condensation may form inside and the player may not be able to attain its full performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.

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CARE OF DISCS

■ With this player, use discs which display the mark shown below. (Optical audio digital discs.)
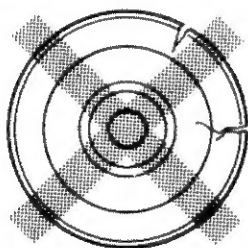
COMPACT disc DIGITAL AUDIO

■ When holding discs, do not touch their signal surfaces. Hold the edges, or one edge and the center hole.

■ Do not affix labels or adhesive tape to the label surfaces. Also, do not scratch or damage the label.
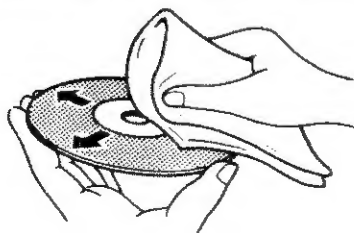
■ Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.
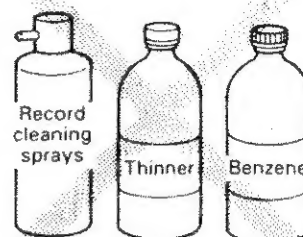
CLEANING DISCS

■ The presence of fingerprints or smudges on the surface of the disc will not directly affect the recorded signals; but depending on the degree of contamination, the brightness of the light reflected from the signal surfaces may be reduced, causing degradation of sound quality.
Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.
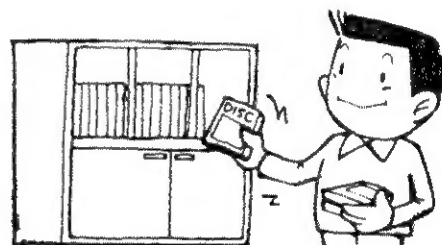
■ If a disc becomes very dirty, wet a soft cloth in water. After wringing it out well, wipe the dirt away gently, and then remove any water drops with another soft dry cloth.

■ Do not use record cleaning sprays or anti static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.

Record cleaning sprays   Thinner   Benzene

STORING DISCS

■ Discs are made of the same kinds of plastic used for conventional analog audio records. Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures. Avoid leaving discs in cars and on the seats being exposed to direct sunlight since this can be harmful.

■ Always read and abide by the precautionary notes listed on the disc labels.

CLEANING THE PLAYER

To clean the front panel and unit housing, wipe with a soft, dry cloth. For stubborn dirt, wet a soft cloth with a mild detergent solution, wring well, then wipe off the dirt. Also use a dry cloth to wipe the surface dry. Do not use volatile liquids such as benzene or thinner which are harmful to the unit.

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BEFORE OPERATING PLAYER
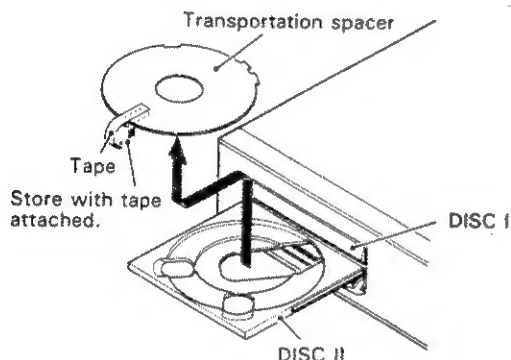
CONFIRM SUPPLIED ACCESSORIES

● Refer to figure ① on page 4.

① Output cable × 1
② Remote control cord × 1 (U.S. and Canadian models only.)
③ Remote control unit × 1
④ Size AAA/R03 dry cell batteries × 2

REMOVING THE TRANSPORTATION SPACER

The transportation spacer is located in the DISC II. Remove the spacer before starting operations.
Refer to the section "Operation Procedures before Playback" (page 13) for details on opening DISC II.
After removing the spacer, attach a piece of tape to it and store it in the case so it can be used when the unit is transported again.

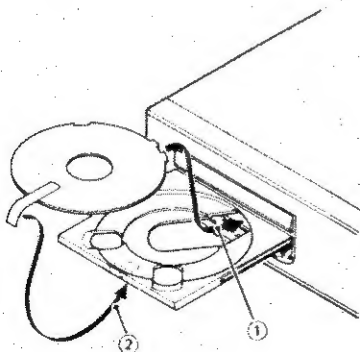Transportation spacer
Tape
Store with tape attached.
DISC I
DISC II

RE-INSTALL THE TRANSPORTATION SPACER WHEN THE UNIT IS TRANSPORTED AGAIN.

Use the spacer that was stored and insert it in to DISC II.
① Insert the raised sections in the corresponding holes.
② Seal the front side with tape.

NOTE:
Always remove the DISC when moving the player.

PUT BATTERIES INTO REMOTE CONTROL UNIT

● Refer to figure ② on page 4.

① Remove the cover of the battery compartment on the rear side of the remote control unit. This can easily be done by pressing down on the cover with your thumb and pulling it in the direction of the arrow.
② Take out the two size "AAA" [IEC R03 (UM-4)] dry cell batteries supplied and load them into the battery compartment, taking care to follow the markings on the compartment.
③ Replace the cover of the battery compartment.

NOTE:
● *If the remote control unit will not be used for a long time (1 month or more), remove the batteries to avoid battery leakage. If fluid should ever leak from batteries, wipe away the fluid and then install new batteries.*
● *Do not put books etc. on top of the remote control unit. If keys are continuously depressed, the batteries will finish.*
● *If the operating range decreases, the batteries have probably finished. Replace with new batteries.*

Incorrect use of batteries may result in leakage of fluid, explosion of batteries and other dangers. Please pay particular attention to the following points.
● Please correctly install batteries so that the (+) and (−) battery polarities match with the (+) and (−) markings inside the battery case.
● Do not use new batteries together with batteries which have already been used.
● The voltages of dry batteries may differ even though they are of the same size and shape. Do not use different types of dry batteries together.

OPERATION BY REMOTE CONTROL (U.S. and Canadian models only)

When use is made of a stereo amplifier with the Pioneer 🄢🄡 mark, connect the control terminal on the rear panel of the player to the corresponding terminal on the amplifier. This will enable the player to be controlled from a distance, with the remote control unit supplied with the amplifier.
● The remote control unit can be used for PLAY, STOP/CLEAR, PAUSE, TRACK SEARCH and DISC operations.
● The control cord is supplied with the player.
● For instructions regarding connection and operation, please refer to the operating instruction manual for your stereo amplifier.

NOTE:
● *The player's remote sensor does not function when a plug is inserted in the CONTROL IN jeck. To operate, point the remote control unit to the stereo amplifier.*
● *Make sure to connect the control cord to OUT jack of CONTROL and IN jack of other components. Both plugs should be inserted correctly. Never keep the one of the plugs being unplugged.*

CONNECTIONS

ⓐ Red
ⓑ White
ⓒ Output cable
ⓓ Make sure not to connect to the PHONO input terminal used for record players, sound will be distorted, and normal playback will not be possible.
ⓔ CD or AUX terminals
ⓕ Stereo amplifier
ⓖ Power cord
ⓗ Household wall outlet
ⓘ Remote control cord (U.S. and Canadian models only)
ⓙ Control Terminal (U.S. and Canadian models only)
When using together with Pioneer products marked with the ▆▆ mark, make connections with the supplied control cord. When this feature is not used, connection is not necessary.

Connecting the output cable

Connect the plugs of the cable to the input terminals of the amplifier (terminals marked CD or AUX), and to the output terminals of the compact disc player.
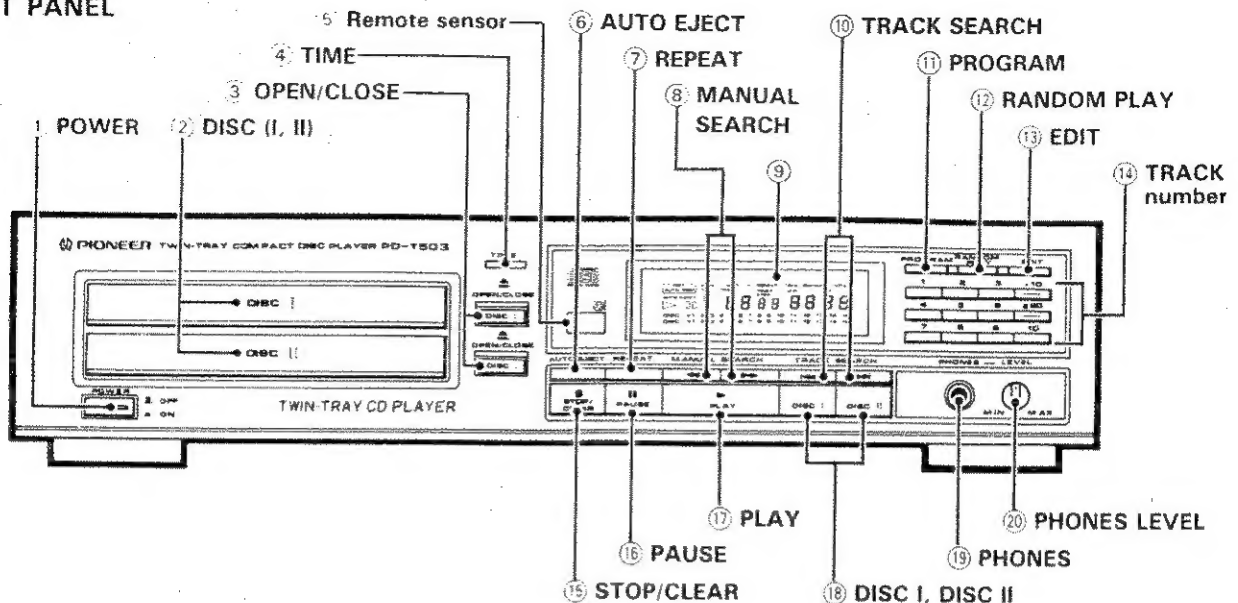● Connect the white plugs to the left (L) terminals and the red plugs to the right (R) terminals.
● Make sure plugs are pushed fully into the terminals.

Connect the power cord

Insert the power cord plug into the auxiliary AC outlet of your amplifier unit, or into a household wall outlet.

NAMES AND PARTS USES

FRONT PANEL

① POWER ② DISC (I, II) ③ OPEN/CLOSE ④ TIME ⑤ Remote sensor ⑥ AUTO EJECT ⑦ REPEAT ⑧ MANUAL SEARCH ⑨ ⑩ TRACK SEARCH ⑪ PROGRAM ⑫ RANDOM PLAY ⑬ EDIT ⑭ TRACK number ⑮ STOP/CLEAR ⑯ PAUSE ⑰ PLAY ⑱ DISC I, DISC II ⑲ PHONES ⑳ PHONES LEVEL

---

① POWER switch

Press to turn power to the unit ON and OFF.

② DISC (I, II)

These are where the discs are set. When power is switched ON and the OPEN/CLOSE key is pressed, the tray is ejected forward.
To insert the tray, press the OPEN/CLOSE key, or lightly push the tray in with your finger.

③ OPEN/CLOSE keys (I, II) (▲)

Press when you wish to eject or load a disc. Each time the key is pressed, the tray is alternately pushed out or pulled in.

④ TIME key

This key selects the display mode of the indicator panel. Each time the key is pressed, the indication changes from TIME, REM, to TOTAL in that order. (For details concerning the display contents, refer to the explanation about the indicators.)

⑤ Remote sensor

⑥ AUTO EJECT key

Press to perform auto eject playback.
When a disc is finished playing, the disc's disc tray will automatically eject. The other disc tray will close and playback will start. By replacing discs, continuous playback can be maintained.

⑦ REPEAT key

Press this key for repeat playback. Pressing the key once, twice, or three times will change the repeat mode from single track repeat, all tracks repeat, and repeat playback cancellation.

⑧ MANUAL SEARCH keys (◄◄, ►►)

When the player is in playback or pause modes, these keys are pressed to perform fast forward or reverse operations to allow manual searching. These operations are only carried out during the time either key is pressed.

⑨ Indicators

AUTO PGM	: Displays when auto program editing is set or used.
AUTO EJECT	: Lights during auto eject playback.
PGM	: Lights during program mode.
RND	: Lights during random playback.
DISC	: Displays the disc number (I or II) of the disc to be played.
▷	: Lights during playback.
❚❚	: Lights during temporarily interrupted playback.
TRACK	: Displays the current track number and index number (during normal playback and programmed playback) or the track being programmed and the program steps during programming operation.
1 ► REPEAT	: Lights during repeat playback of one track.
REPEAT	: Lights during repeat play.
INDEX	: Displays the index number of the music section of a track or the track division.
STEP	: Displays the program steps.
TIME/REMAIN/TOTAL	
	: Changes each time the TIME key is pressed.
● TIME	: Displays the track number of the track being played (TRACK) and the elapsed time (minutes and seconds).
● REMAIN	: Displays the remaining time on the track being played. When the TIME key is pressed again, the remaining time on the disc being played will be displayed.

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● TOTAL : Displays the total number of tracks on the disc (TRACK) and the overall playback time (minutes and seconds) of disc I. When the TIME key is pressed again, the total number of tracks on the disc (TRACK) and the overall playback time of disc II will be displayed.

During playback, the display goes on for about 5 seconds before changing to the TIME display.

⑩ TRACK SEARCH keys (|◀◀ , ▶▶|)

During normal playback, programmed playback or pause modes, these keys are pressed to search for the desired track. Pressing either key causes the player to advance to the next track or to return to the previous track. When the player is stopped at PROGRAM mode, the performance time of each track is displayd by pressing the TRACK SEARCH keys.

⑪ PROGRAM key

Use to program a sequence of tracks.
● Press this key to set the unit to program mode. Then specify the desired DISC and TRACK.
The DISC and TRACK will be programmed as they are entered in this way.

⑫ RANDOM PLAY key

Press to begin random playback.

⑬ EDIT key

Press to program ■ tune which may be played back within a specified time.

⑭ Track number keys (1 to 10, + 10 and ≧ 20)

● These keys are used to specify the track numbers (tracks 1 to 99) for direct track selection or program entry.
● During auto program editing, the keys are used to specify the time period (in minutes).

⑮ STOP/CLEAR key (■)

Press to stop playback. When pressed, the player goes into stop mode and all operations stop.
Press to clear a program. When pressed during stop mode, the program stored in memory is cleared.

⑯ PAUSE key (❙❙)

Press to temporarily interrupt playback. When pressed again, the pause mode is cancelled and playback resumes.

⑰ PLAY key (▶)

Press to begin playback, and to cancel the pause mode.

⑱ Disc select keys (DISC I, DISC II)

DISC I: Use to select DISC I for playback or programming.
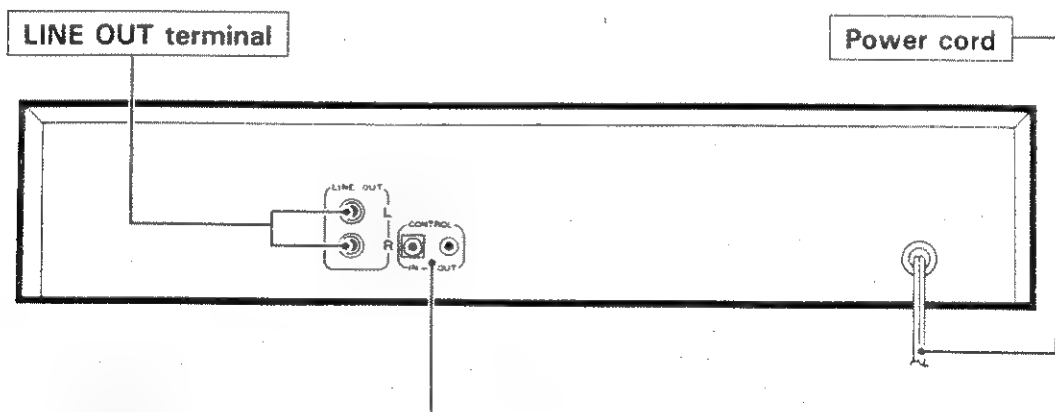DISC II: Use to select DISC II for playback or programming.

⑲ PHONES (headphones) jack

When you wish to use headphones, insert the plug for the headphones into the headphone jack.

⑳ PHONES LEVEL control knob

Use to adjust the level of sound when using headphones. Turning the knob to the right increases the sound level.

REAR PANEL

LINE OUT terminal | Power cord

CONTROL IN terminal
(U.S. and Canadian models only)
This terminal is for inputting the remote control signals relayed from an amplifier with a sensor for receiving control signals from a remote control unit and carrying the Pioneer 🆂🆁 mark. For instructions regarding connection and operation, please refer to the operating instruction manual for your stereo amplifier.
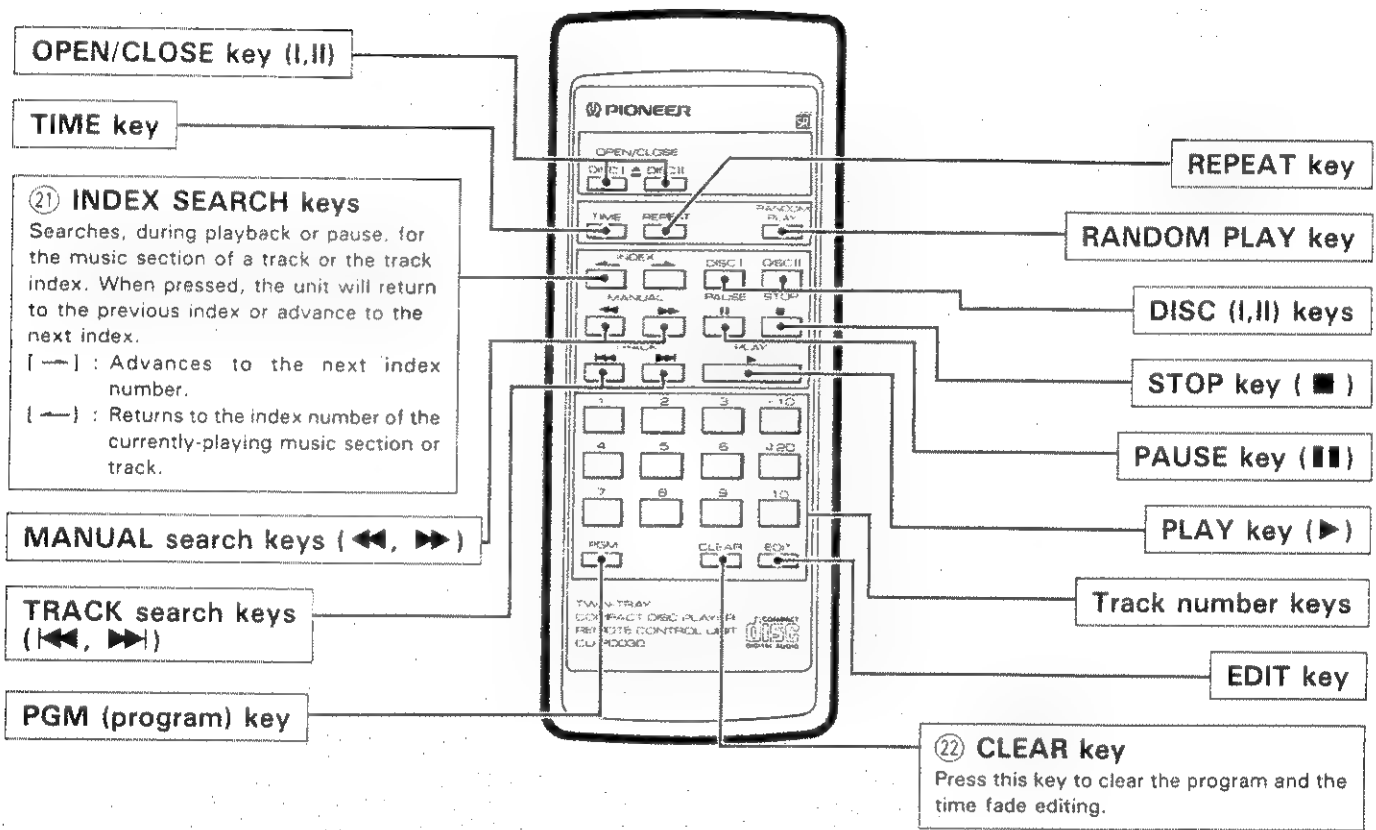
CONTROL OUT terminal
(U.S. and Canadian models only)
This terminal is for further relaying remote control signals to other components carrying the Pioneer 🆂🆁 mark. Please connect to the control input terminal of the other component.

REMOTE CONTROL UNIT

Refer to player front panel section regarding other key functions not specified here.

OPEN/CLOSE key (I,II)

TIME key

(21) INDEX SEARCH keys
Searches, during playback or pause, for the music section of a track or the track index. When pressed, the unit will return to the previous index or advance to the next index.

[—] : Advances to the next index number.

[—] : Returns to the index number of the currently-playing music section or track.

MANUAL search keys (◄◄, ►►)

TRACK search keys (|◄◄, ►►|)

PGM (program) key

REPEAT key

RANDOM PLAY key

DISC (I,II) keys

STOP key (■)

PAUSE key (❙❙)

PLAY key (►)

Track number keys

EDIT key

(22) CLEAR key
Press this key to clear the program and the time fade editing.
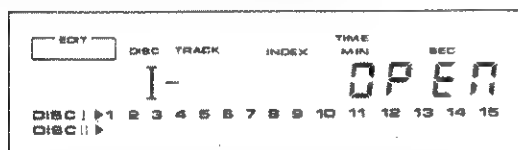
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OPERATION

- All figures following the name of each key correspond to the description of the controls on the front panel and the remote control.

OPERATION PROCEDURES BEFORE PLAYBACK (Inserting a disc)

- All names of controls, indicators and front panel are accompanied by a number in a circle.
- Refer to figures 4 and 5 on page 4.

1. **Press the POWER switch ① to turn ON power.**
2. **Press the OPEN/CLOSE DISC I key ③.**
   The disc tray will be ejected forward.

```
┌─ EDIT ─┐   DISC TRACK     INDEX    TIME
                                      MIN      SEC
         I-                 OPEN
DISC I ▶1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
DISC II ▶
```

3. **Place a disc on the tray of DISC I ②.**
   Insert the disc on the tray while following the respective disc guide (8cm or 12cm disc guide), as shown in the figure.

NOTE:
- *When setting an 8cm CD, do not use the 8cm CD adapter.*
- *Make sure to place the disc on the tray with the label side upward.*
- *Hold the disc so that you do not touch the playing side (the iridescent side) with your hands or fingers.*
- *If both 8cm and 12cm discs are inserted and played simultaneously, the disc may be scratched or malfunction may result. Insert only one disc at a time.*

4. **Press the OPEN/CLOSE DISC I key ③, or gently push the tray of DISC I ② in with your fingers.**
   After insertion of the disc tray, the total number of tracks on the disc and the total playback time will be displayed for 5 seconds.

```
┌─ EDIT ─┐   DISC TRACK     INDEX    MIN    SEC    TOTAL
         I- 12 01 56:23
DISC I ▶1 2 3 4 5 6 7 8 9 10 11 12
DISC II ▶
```

5. **In the same way, press the OPEN/CLOSE DISC II key ③ and insert a disc on the tray of DISC II ②. Then push the tray back in.**

OPERATION PROCEDURES AFTER PLAYBACK (Removal of disc)

- Refer to figures 6 and 7 on page 5.

1. **Press the OPEN/CLOSE DISC I key ③ and eject the tray of DISC I ②.**
2. **Remove the disc and put it into its case.**
   Be careful not to touch the playing side.
3. **Press the OPEN/CLOSE DISC I key ③, or gently push the tray of DISC I ② in with your fingers.**
4. **In the same way, press the OPEN/CLOSE DISC II key ③ and take out the disc from the tray of DISC II ②. Then push the tray back in.**
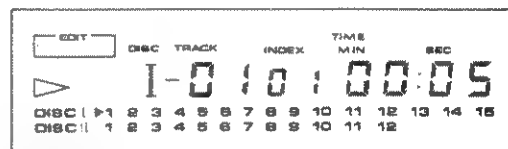5. **Press the POWER switch ① to turn OFF power.**

OPERATIONS FOR NORMAL PLAYBACK

Playback of all tracks of two discs, from the first track of disc I to the last track of disc II.

1. **Carry out "OPERATION PROCEDURES BEFORE PLAYBACK".**
2. **Press the PLAY key ⑪.**
   The (▷) indicator will light and playback will begin from disc I.

   Shows the elapsed time of current playback and the track number.

```
┌─ EDIT ─┐   DISC TRACK     INDEX    TIME
                                      MIN      SEC
   ▷     I- 01 00:05
DISC I ▶1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
DISC II 1 2 3 4 5 6 7 8 9 10 11 12
```

3. **Adjust sound volume and tone with the stereo amplifier controls.**
   When the last track of disc II finishes playing, the player enters stop mode. All operations stop and the player stops at the position of the first track of disc I and displays "01".

4. **After finishing playback, carry out the "OPERATION PROCEDURES AFTER PLAYBACK".**

Operation example
- To start playback:
  [POWER] → [OPEN/CLOSE DISC I] → Set disc →
  [OPEN/CLOSE DISC II] → Set disc → [▶]
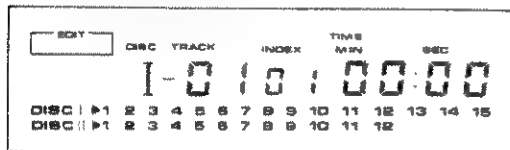- After playback is completed:
  [OPEN/CLOSE DISC I] → Remove disc →
  [OPEN/CLOSE DISC II] → Remove disc →
  [OPEN/CLOSE DISC II] → [POWER]

TO STOP PLAYBACK

1. **Press the STOP/CLEAR key ⑮.**
   - When the STOP/CLEAR key ⑮ is pressed, the player enters the stop mode, and all operations stop. When stopped in the normal playback mode, the first track number is displayed on the indicator; when stopped during programmed playback, the first track number of the program is displayed. If a program is in memory, pressing the STOP/CLEAR key ⑮ again clears the program.

Operation example

- To stop playback:

PAUSE OPERATION

1. **With the player in the playback mode, press the PAUSE key ⑯.**
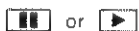   The |00| indicator will light, and the player will pause immediately.

2. **To resume playback, press the PAUSE key ⑯ again, or the PLAY key ⑰.**

Operation example

- To temporarily stop playback:

  |II|

- To resume playback:

  |II| or |▶|

TO SELECT A DESIRED DISC (DISC SELECT OPERATION)

1. **During playback or stop mode, select ■ disc number with a DISC select keys ⑱ to begin playback.**

NOTE:

- *During playback mode, the player will begin playback by just pressing the disc select key ⑱.*
- *When Disc number selected playback, starts from the first track.*
- *Performing a direct disc search during programmed playback causes the program to be cleared.*
- *Performing a direct disc search during random playback cuases random playback to be cancelled.*
- *Playback from a direct disc search is not possible when a program is being input in stop mode.*
- *When there is no disc inserted and the PLAY key ⑰ or RANDOM PLAY key ㉒ is pressed, "disc" will appear in the indicator for about 3 seconds.*

Operation example

- During stop mode, to playback the the second disc:
  Disc select |DISC II|

TO SELECT A DESIRED TRACK (DIRECT TRACK SELECT OPERATION)

Playback starts from the selected disc number and track number, and continues to the last track.

While in stop mode or during normal playback, select a track with the TRACK number keys ⑭.

Tracks 1 to 10 can be specified directly with the 1 to 10 number keys.

- When specifying track 11 and beyond, press the + 10 key, and then press one of the 1 to 10 keys to specify the second digit. Each time the + 10 key is pressed, the number will increase by a factor of 10. (For 0, use the 10 key.)
- To specify track 20 and beyond, press the ≧20 key and one of the 1 to 10 keys for the first digit (for 10, 20, 30, etc.) and for the second digit. (For 0, use the 10 key.) When specifying ■ track with the 1 to 10 keys during playback, the selected track will be searched for immediately. However, the track number must be selected within 4 seconds after the + 10 key and ≧20 key is pressed. Otherwise, it will be cancelled.

NOTE:

- *Track numbers not on the disc cannot be specified.*
- *When the disc tray is open, etc., and if a track number not contained in the disc is specified, playback will start from track 1.*
- *Direct selection cannot be done during program mode.*
- *Performing these operation during random playback causes random playback to be cancelled.*

Operation example

- To play track 3.
  |3|

- To play track 20.
  |+ 10| |+ 10| |10| or |≧20| |2| |10|

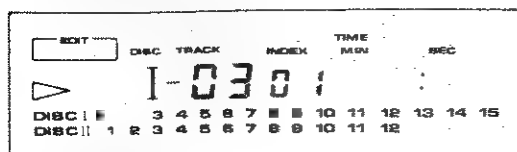- To play track 36.
  |≧20| |3| |6| or |+ 10| |+ 10| |+ 10| |6|

TO LOOK FOR A DESIRED TRACK (TRACK SEARCH OPERATIONS)

During normal or programmed playback, or during the pause mode, these functions allow you to quickly find the beginning of a desired track. Also, any number of tracks can be skipped during the search process.

- When the |▶▶| key ⑲ is pressed once, playback advances to the beginning of the next track. When pressed continuously, playback advances to the beginning of succeeding tracks. (During programmed play, playback advances to the beginning of the next programmed track.)
- When the |◀◀| key ⑳ is pressed once, playback returns to the beginning of the currently playing track. When pressed continuously, playback shifts to previous tracks on the disc. (During programmed playback, playback returns to the previous programmed tracks.)

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During search operation, the number of the track being searched for will be displayed on the indicator. This allows you to monitor the progress of the search operation.
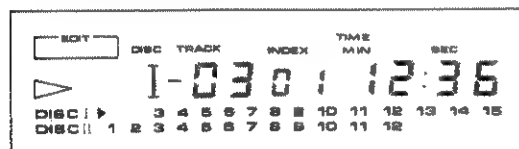

(During normal playback)

NOTE:
Pressing the [I◄◄] key ⑩ while in the first track (or the first step) will have no effect. Also, pressing the [►►I] key ⑩ while in the final track (or final step) will have no effect.

FAST FORWARD AND REVERSE (MANUAL SEARCH OPERATIONS)

During playback or pause modes, this function allows you to quickly advance or reverse through the disc to find a desired part. Listen to the sound from your speakers connected to your amplifier while performing the search (during playback mode only). When the key is released the player returns to its original mode (playback or pause). During pause, high-speed search is possible. However, no sound will be output.

● When the [►►] key ⑧ is pressed, the player will advance quickly through the disc. If the end of the disc is reached, the player will enter the pause mode. (The indicator will display "End.") The pause mode can be cancelled by pressing the [I◄◄] key ⑧.
● When the [◄◄] key ⑧ is pressed, the player will reverse quickly through the disc. If the beginning of the disc is reached, the player will enter the playback mode.

During search operation the elapsed time will be displayed. Watch the display during search operation.

(During normal playback)

NOTE:
During programmed playback, you can only do forward and reverse searches within the song currently being played; the player enters the pause (or playback) mode immediately before moving to the next (or previous) track. Play can be restarted by pressing the PLAY ⑰, PAUSE ⑯ or [◄◄] key ⑧.

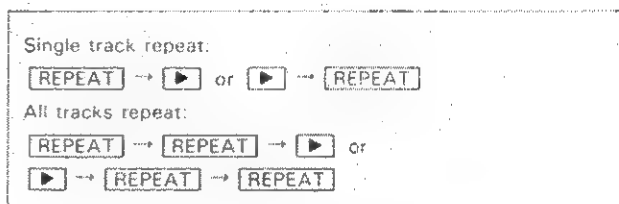## OPERATIONS FOR REPEAT PLAYBACK
Single track repeat mode:

■ The currently-playing track will repeat. (Single track repeat)

All tracks repeat mode:

■ During normal playback, all the tracks on the all discs will be played back repeatedly (all track repeat of two discs).

■ During programmed playback, the tracks programmed will be played back repeatedly in the order programmed (programmed repeat).
■ In the case of random play mode, after all the tracks have been played, random play will start again.

1. **With the player in the playback or stop mode, press the REPEAT key ⑦.**
   When pressed once, it will enter the single track repeat mode. The [1►REPEAT] indicator will light. If the key is pressed again all the tracks on the all discs will be repeated. The [REPEAT] indicator will light.

2. **After the single track or all the tracks are played, repeat playback will begin.**
   Playback will be repeated until repeat playback is cancelled.

Single track repeat:
[REPEAT] → [►] or [►] → [REPEAT]

All tracks repeat:
[REPEAT] → [REPEAT] → [►] or
[►] → [REPEAT] → [REPEAT]

■TO CANCEL THE REPEAT MODE

● Press the REPEAT key ⑦ until the [REPEAT] indicator goes off. The player will revert to the normal (programmed or random) playback mode.
● Press the STOP/CLEAR key ⑮. Playback will stop and the repeat mode will be cancelled simultaneously.

[REPEAT] or [■]

REPLACEMENT OF THE DISC JUST PLAYED TO MAINTAIN CONTINUOUS PLAYBACK
Relay playback

1. **Press the PLAY key ⑰.**
   Playback will start with disc I.

2. **Press the REPEAT key ⑦ twice.**
   The player will enter the all track repeat mode and the [REPEAT] indicator will light.

After playback of disc I ends, playback of disc II will begin.

3. **Press the OPEN/CLOSE DISC I key ③.**
   Replace the disc.
4. **Push the tray of DISC I ② into the player.**
5. **For continuous playback, keep replacing the disc that has finished playing.**
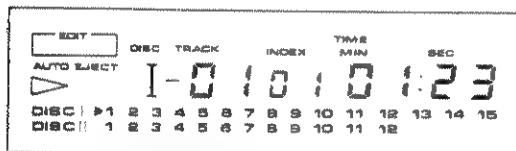
Operation example

▶ → REPEAT → REPEAT →End of disc I playback →
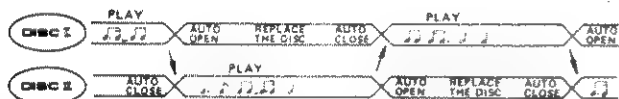OPEN/CLOSE DISC I →Replace disc →
OPEN/CLOSE DISC I

Auto eject play

1. **Press the PLAY key ⑰.**
   Playback will begin with disc I.
2. **Press the AUTO EJECT key ⑥.**
   The [AUTO EJECT] indicator will light.

When playback of disc I ends, playback of disc II will begin. Disc I disc tray will then open automatically.

3. **Replace the disc in the tray of DISC I ②.**
   When playback of disc II ends, playback of disc I will begin automatically.
   Disc II disc tray will then open automatically.
4. **Replace the disc in the tray of DISC II ②.**
5. **For continuous playback, keep replacing the disc that has finished playing.**

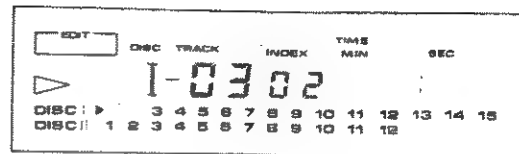

HOW TO FIND TRACK INDEXES (INDEX SEARCH OPERATION)

● This function is operative only by the remote control unit.

During playback mode or pause mode, these operations allow divisions between items of music and tunes in a track (indexes) to be searched for.

● When the |—▶| key ② is pressed once, the player will advance to the next index number. When held depressed, the player will advance to following index numbers.
● When the |◀—| key ② is pressed, the player will return to the start of the currently playing index. When held depressed, the player will return to preceding index numbers.

During index search operation, the number of the index being searched for will be displayed on the indicator. This allows you to monitor the progress of the search operation.

Index Search

NOTE:
If the specified index number does not exist, the player will search for index 1.

RANDOM PLAYBACK

● Each track of the discs set will be played at random. After all the tracks have been played, the player will go in stop mode.
● During random playback, replace the disc not being played and push in the disc tray. This will allow continuous random playback.

RANDOM PLAY

1. **Press the RANDOM PLAY key ⑫.**
   Random playback will begin.

   The [RND] (random) indicator will light.

2. **Pressing the RANDOM PLAY key ⑫ once more will have the player select a track at random for playback.**

To cancel random playback operation

● Press the STOP/CLEAR key ⑮. Playback will stop and random playback operation will be cancelled simultaneously.

NOTE:
Performing direct selection or disc select operation causes random playback to be cancelled.

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TO PLAYBACK TRACKS IN A DESIRED ORDER (PROGRAMMED PLAYBACK)

■ With this function, you can play back the tracks on the discs in any desired order.
■ You can select disc number I or II and track numbers from 1 to the maximum number of recorded selections on the disc, and program a playback sequence consisting of up to 24 steps.

Program entry

● Program entry is possible during stop mode, playback, and programmed playback.

1. **Press the PROGRAM key ⑪ during stop mode, or normal playback.**

   The player will enter the program mode. Pressing the PRO-GRAM key ⑪ again will cancel the program mode.

2. **Select the disc number with the DISC select keys ⑱ and the tracks with the TRACK number keys ⑭.**

3. **For playback instructions, "Playback operation."**

   ● If tracks are entered during programmed playback, they will be added to the currently-playing program.
   ● If the memory contains a previous program, the programmed tracks will be newly added to the previous program. To enter a completely new program, clear the previous program first.
   See page 18, "Programmed playback stop and program clear."

   Each time you program a track, the program step, programmed disc and track numbers, and the total time are displayed on the indicator.
   If you program a track during playback, the display appears for about 5 seconds.

   The [PGM] indicator lights.

   I-0803 18:23

   The program step is displayed.

Operation example

This program will play track 5 on disc I, track 3 on disc II and track 8 on disc I in sequence.

● Program entry (during stop mode)

Step	Key operations	Indicator display
(Program mode)	PROGRAM	I-01:00:00
01	DISC I	I-

	5	I-05:05:32
02	DISC II	II-
	3	II-0302 12:41
03	DISC I	I-
	8	I-0803 18:23

● During stop mode, a pause can be programmed instead of a track number. If the PAUSE key ⑯ is pressed, "PA" will be displayed instead of a track number. In this case, the pause indicator will not light.

Example 1

When recording on both sides of a cassette tape, enter a pause after the last track that can be recorded on the first side. This will allow a pause for changing the cassette side. Recording can then resume on the second side.

Example 2

During a tape recording, a pause programmed between tracks will produce a silent recording. A narration, etc., can then be inserted before recording the next track.

NOTE:
● *A pause cannot be programmed as the first program step (01). Two consecutive pauses also cannot be programmed.*
● *A pause can be programmed for the last program step, however, it will not be effective.*

■When the disc tray is open:

Programs can be entered to memory. Although the programming procedure is the same as described above, the indicator displays programmed information step-by-step. When the disc tray is closed with a disc loaded, any programmed tracks not on the disc will be deleted automatically from the program.

Playback operation

● Playback is possible during program mode.

1. **Press the PLAY key ⑰ to start playback.**

   When programmed during normal playback, the player will automatically enter the program mode after the currently playing track ends.

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● If a pause has been programmed, the pause will take effect at the beginning of the track following the pause program step. To restart programmed playback, press either the PLAY key ⑰ or PAUSE key ⑯.

2. End of playback.

When the last program step is finished playing, track number will be displayed at the first program step and the player will enter the stop mode.

Operation example

● To start playback:

[▶]

Programmed playback stop and program clear

● During programmed playback, pressing the PROGRAM key ⑪ again will turn off the PGM indicator and the programmed playback will be cancelled. However, normal playback will continue. In this case, the program remains in memory. (Program memory)

● To recall a stored program, press the PROGRAM key ⑪ again. The player will enter the program input mode and the stored program will be entered.

● Pressing the OPEN/CLOSE key ③ will stop playback. (The stored program of the disc comes out will also be cleared.)

● Pressing the STOP/CLEAR key ⑮ will stop playback. In this case, the stored program will not be cleared. While in stop mode, pressing the STOP/CLEAR key ⑮ again will clear the program.

Operation example

● To stop programmed playback:

[PROGRAM] (Program memory)

● To stop playback and clear the program:

[OPEN/CLOSE]

● To clear the program:

[STOP/CLEAR] → [STOP/CLEAR]

(Stop playback)   (Program clear)

NOTE:
Pressing the CLEAR key ㉒ during programmed playback will clear the last program step. Playback, however, will continue.

PROGRAMMING TRACKS WHICH CAN BE PLAYED BACK WITHIN A DESIRED TIME (AUTO PROGRAM EDITING)

Selections to be played within a specified time can be programmed for continuous playback from two discs. Playback will start with the first selection on disc I and continue in sequence to the final selection on disc II.

To program playback from track 1.

1. During stop mode, press the EDIT key ⑬.
2. Use the TRACK number keys ⑭ to specify the desired playing time (in minutes).

   Starting from track 1, tracks which can be played during the specified time will be played automatically.

[For additional programming.]

3. Press the EDIT key ⑬.
4. Use the TRACK number keys ⑭ to specify the desired playing time (in minutes).

After programming a pause, specify the playing time beginning with the track following the tracks programmed in steps 1 and 2.

The last programmed track and the total playing time will be displayed.

NOTE:
- *24 or more program steps cannot be programmed.*
- *If all the tracks on the disc are programmed, the program will continue, then end after the last track.*
- *For discs containing more than 18 tracks, proper programming may not be possible.*
- *If the specified playing time does not even allow playback of one track, programming will not be possible.*
- *When specifying less than 10 minutes, first press the "10" key, then press the 1 to 9 keys. (1 to 9).*

Operation example

Two compact discs are to be recorded on to a C-60 cassette (30 minutes per side). Compact disc I has 10 selections with a playback time of 37 minutes and 27 seconds and compact disc II has 12 selections with a playback time of 42 minutes and 36 seconds. First program selections starting with selection 1 which can be played in a sequence that totals 30 minutes of playing time. Then program the remaining selections in II sequence which can be played in 30 minutes for recording on the second side of the cassette tape.

Key operations	Indicator display
[EDIT]	I-01
[3] [10]	I- 30:00
After 0.8 seconds	I-08 08 29:56

Program the playing time for 29 minutes 56 seconds from selection 1 to 8 on disc I.

[EDIT]	I-09
[3] [10]	I- 30:00
After 0.8 seconds	II-06 29:20

Enter a pause and then program the playing time for 29 minutes 20 seconds from selection 9 on disc I to selection 6 on disc II.

Cancelling the auto program mode

If the playing time has not been specified, press the EDIT key ⑬ or the STOP/CLEAR key ⑮.
If the playing time has already been specified, press the STOP/CLEAR key ⑮.

Playback operation

1. **Press the PLAY key ⑰.**
   After the tracks programmed the first time are played, the player will enter pause.

2. **Press the PLAY key ⑰ or the PAUSE key ⑯.**
   The tracks programmed the second time are played.
   Even after playback ends, the program is still retained in memory.

Operation example

This program will play selection 1 to 8 on disc I and then selection 9 on disc I to selection 6 on disc II.

● Playback start:

[PLAY] .... Pause after playing from selection 1 to 8 on disc I.

[PLAY] or [PAUSE] .... Playback from selection 9 on disc I to selection 6 on disc II

Stopping playback, cancelling a program, and program clear

It is the same as for normal programmed playback.

Starting the program with a desired track

1. During the stop mode, press the EDIT key ⑬.
2. Specify the disc number with the DISC select keys ⑱ and the track number with the TRACK SEARCH keys ⑩.
3. Repeat steps 2 to 4 in "To program playback from track 1."

Operation example

A playing time of 45 minutes is to be programmed starting with track 4 on disc II.

Key operations	Indicator display
[EDIT]	I-01
[DISC II]	II-01
Press ▶▶ 3 times	II-04
4 5	II- 45:00
After 0.8 seconds	II-1007 43:07

Tracks 4 to 10 are programmed to play for 43 minutes and 7 seconds.

TIMER START

If a disc is set on the disc tray beforehand, then the player will automatically start playing from track 1 of the first disc when the power is turned on.
The player can be made to start playing from a specified time if use is made of an audio timer.

NOTE:
• When using an audio timer, leave the POWER switch ① of the player turned ON.

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Probable cause	Remedy
Disc tray does not come out when OPEN/CLOSE key 3 is pressed.	• Power plug is disconnected from outlet. • POWER switch 1 is OFF.	• Connect plug to stereo amplifier or wall outlet. • Press POWER switch 1 ON.
When playback is started, it stops immediately. Pauses or stops playback	• Disc is loaded upside down. • Dirty disc, etc.	• Load the disc correctly with the label side UP. • Press the PLAY ⑰ or PAUSE ⑯ key. • Remove the dirt from the disc and then play it again.

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TROUBLESHOOTING

Symptom	Probable cause	Remedy
No sound.	• Output cords are connected incorrectly or loosely. • Incorrect operation of stereo amplifier. • Player is in pause mode.	• Connect properly. • Check the settings of stereo amplifier switches and sound volume controls. • Press the PLAY key ▶ or the PAUSE key ⏸.
Sound is distorted, noise is output.	• Incorrect connections. • Pin plugs or amplifier input terminals are dirty. • Interference is being picked up from a TV set.	• Connect to amplifier CD or AUX terminals, etc. Do not connect to PHONO input terminals. • Clean away dirt. • Switch OFF TV set, or move player away from TV set.
With certain discs, loud noise is produced, or play stops.	• Disc is badly scratched or warped. • Disc is extremely dirty.	• Replace the disc. • Clean disc.
Cannot operate player with remote control unit.	• Batteries have run out. • Remote control unit is too far away from player, or angle is wrong. • There is an obstacle between remote control unit and player.	• Replace batteries. • The operating range of the remote control unit, is up to about 7 m from the remote sensor, within angles of up to 30 degrees. • Operate the remote control unit from a different position, or remove the obstacle.

SPECIFICATIONS

1. General

Type .... Compact disc digital audio system
Power requirements
  European models .... AC 220V, 50/60Hz
  U.K., Australian models .... AC 240V, 50/60Hz
  U.S., Canadian models .... AC 120V, 60Hz
  Other models .... AC 110/120−127/220/240V
                                      (switchable), 50/60Hz
Power consumption 16W
Operating temperature .... +5°C − +35°C
                                 (+41°F − +95°F)
Weight 4.2kg (9lb, 4oz)
External dimensions .... 420(W) × 325(D) × 98(H)mm
            16-9/16(W) × 12-25/32(D) × 3-9/16(H) in.

2. Audio section

Frequency response .... 4Hz−20kHz (±0.5dB) (EIAJ)
S/N .... 104dB or more (EIAJ)
Dynamic range .... 95dB or more (EIAJ)
Channel separation .... 96dB or more (EIAJ)
Output voltage 2.0V
Wow and flutter .... Limit of measurement
              (±0.001% W.PEAK) or less (EIAJ)
Number of channels .... 2 channels (stereo)

3. Functions

● Play
● Pause
● Track search
● Manual search
● Programmed playback
● Programmed repeat
● Pause program
● Auto program edit
● Single track repeat
● Sequential disc all track repeat

● Relay playback
● Random relay play
● Program relay play
● Auto eject play
● Auto eject random play
● Auto eject program play
● Random play
● Random repeat
● Timer start

4. Accessories

● Remote control unit 1
● Size AAA/R03 dry cell batteries 2
● Remote control cord 1
  (U.S. and Canadian models only)
● Output cable 1
● Operating instructions 1

NOTE:
The specifications and design of this product are subject to change without notice, due to improvements.